ENVIRONMENTAL CHEMISTS

Date of Report: 02/06/03 Date Received: 01/30/03

Project: Metro Self Monitor, PO# M69355, F&BI 301240

Date Extracted: 01/31/03 Date Analyzed: 01/31/03

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sample ID Chromiur	n <u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
Laboratory ID			
	0.10	0.00	0.10
	0.18	0.09	0.12
Method Blank <0.05	< 0.05	< 0.05	< 0.05
	Sample ID Laboratory ID Chromium M69355 301240-01 0.17	Sample ID Laboratory ID Chromium Copper M69355 301240-01 0.17 0.18	$\begin{array}{c cccc} \underline{Sample\ ID} & \underline{Chromium} & \underline{Copper} & \underline{Nickel} \\ \underline{M69355} & 0.17 & 0.18 & 0.09 \\ \underline{301240.01} & & & & & & & & & & & & & & & & & & &$

ENVIRONMENTAL CHEMISTS

Date of Report: 02/06/03 Date Received: 01/30/03

Project: Metro Self Monitor, PO# M69355, F&BI 301240

QUALITY ASSURANCE RESULTS FROM TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 301240-01 (Duplicate)

	Reporting	Sample	Duplicate	Relative Percent	Acceptance
Analyte	Ünits	Result	Result	Difference	Criteria
Chromium	mg/L (ppm)	0.17	0.17	0	0-20
Copper	mg/L (ppm)	0.18	0.18	0	0-20
Nickel	mg/L (ppm)	0.09	0.09	0	0-20
Zinc	mg/L (ppm)	0.12	0.05	а	0-20

Laboratory Code: 301240-01 (Matrix Spike)

	Reporting	Spike	Sample	% Recov	ery Acceptance
Analyte	Units	Level	Result	MS	Criteria
Chromium	mg/L (ppm)	2	0.17	91	80-120
Copper	mg/L (ppm)	2	0.18	89	80-120
Nickel	mg/L (ppm)	4	0.09	90	80-120
Zinc	mg/L (ppm)	2	0.12	88	80-120

Laboratory Code: Laboratory Control Sample

	Reporting	Spike %	Recov	ery % Reco	very Acceptan	ce RPD
Analyte	Units	Level	LCS	LCS	D Criteria	(Limit 20)
Chromium	mg/L (ppm)	2	97	94	80-120	3
Copper	mg/L (ppm)	2	97	95	80-120	2
Nickel	mg/L (ppm)	4	97	95	80-120	2
Zinc	mg/L (ppm)	2	98	95	80-120	3

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

February 6, 2003

DUPLICATE COPY

INVOICE # 03ACU0206-1

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M69355, F&BI 301240 - Results of testing requested by Gerry Thompson for material submitted on January 30, 2003.

FEDERAL TAX ID * (b) (6)

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Sample ID	Lab ID	Date	Time		le Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	CA, CL, N'22						Notes	
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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

February 6, 2003

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on January 30, 2003 from the Metro Self Monitor, PO# M69355, F&BI 301240 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures ACU0206R.DOC